

FIG. 1

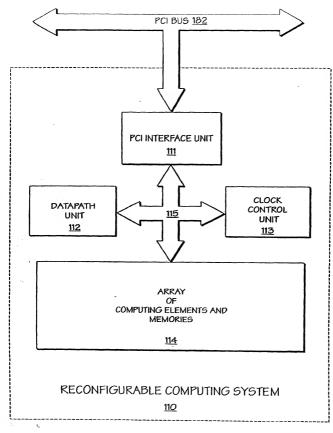
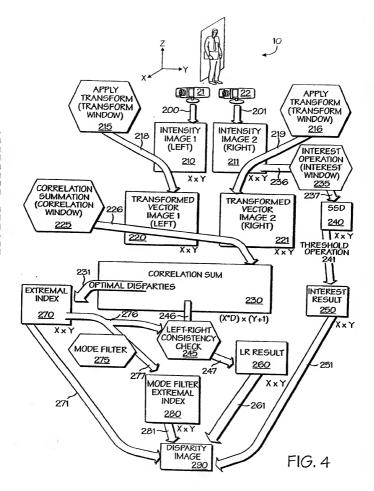
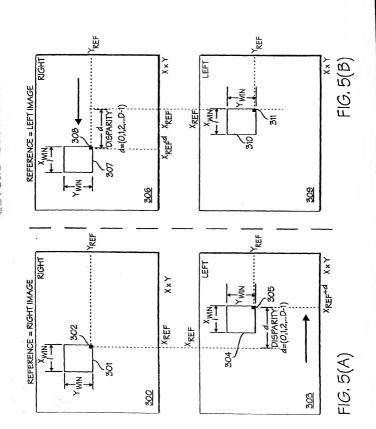
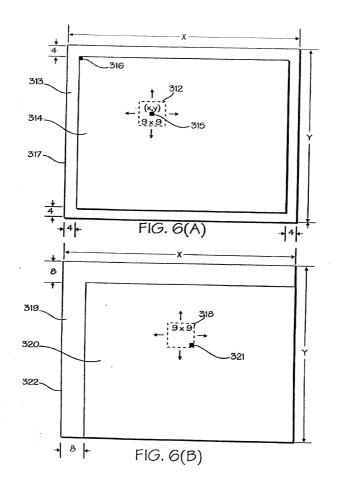


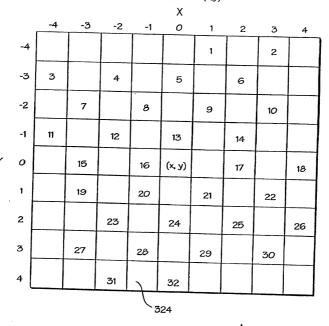
FIG. 3





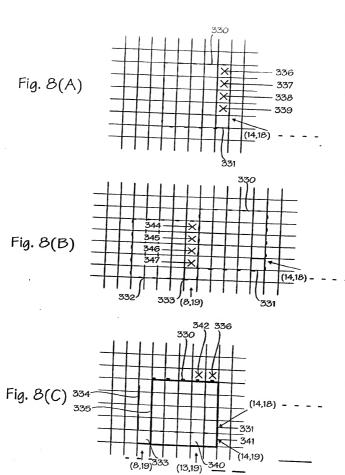


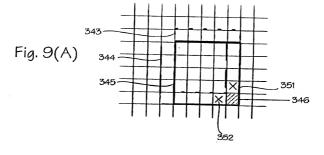
DATA FOR CENSUS VECTOR CENTERED AT (x,y)

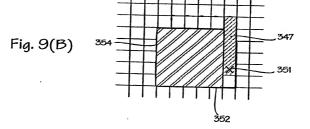


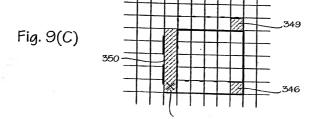
] 323

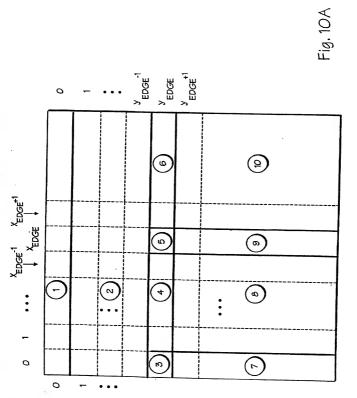
Fig. 7

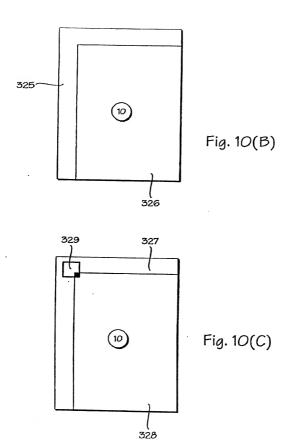


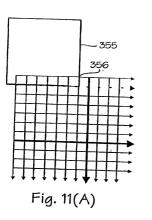


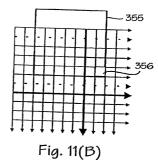


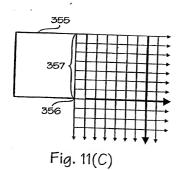


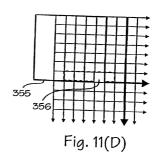


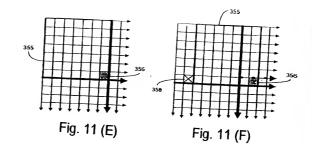


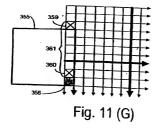


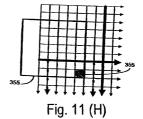












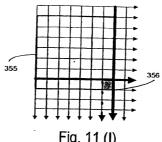


Fig. 11 (I)

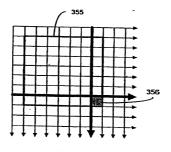


Fig. 11 (J)

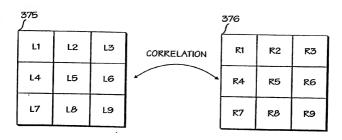
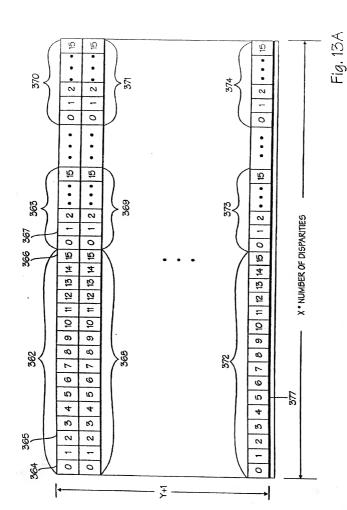
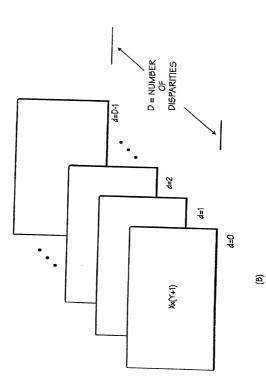
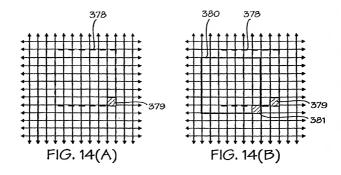
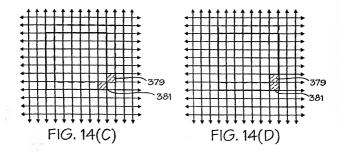


Fig. 12









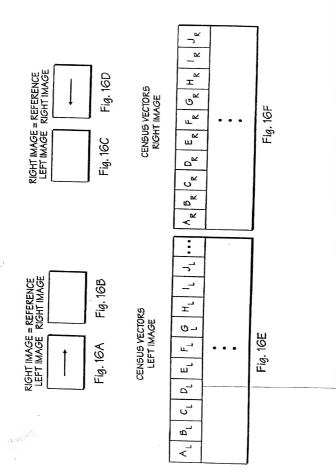
X+6 | X+7 | X+8 | X+9 | X+10 | X+11 | X+12 | X+13 | X+14 | X+15 X+2 | X+3 | X+4 | X+5 | X+6 | X+7 | X+8 | X+9 | X+10 | X+11 | X+12 | X+13 | X+14 | X+15 | X+2 | X+3 | X+4 | X+5 | X+6 | X+7 | X+8 | X+10 | X+11 | X+12 | X+13 | X+14 | X+15 | X+1 | X+2 | X+3 | X+4 | X+5 | X+6 | X+7 | X+8 | X+9 | X+10 | X+11 | X+12 | X+13 | X+14 | X+15 | FIG. 15(A) FIG. 15(B) FIG. 15(C) COLUMN SUM ARRAY [X][Y] UPDATE SEQUENCE 384 385 384 , 384 384 ×+1 + ×+1 ¥ , 387 > 386 100 Ŧ Ŧ × , Į, t=2 × 5=3

:

FIG. 15(D)

- × -

:



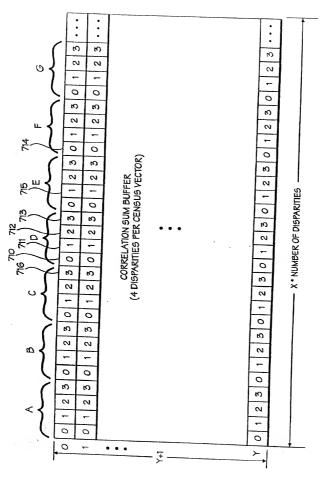
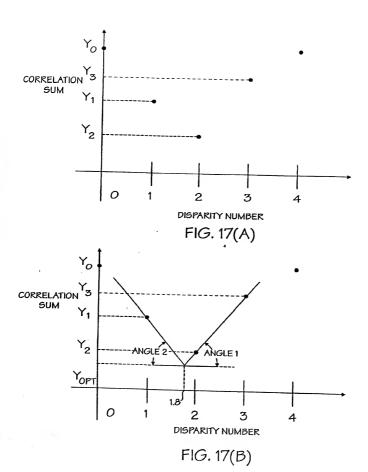
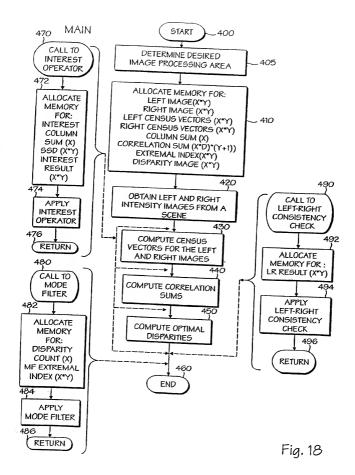
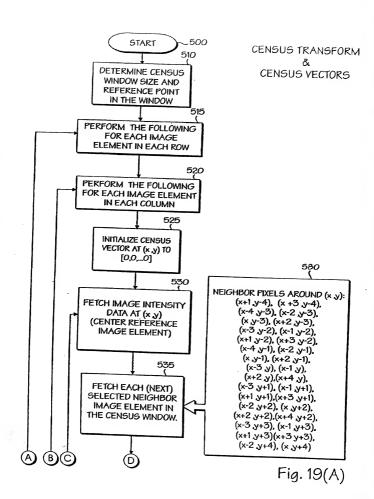
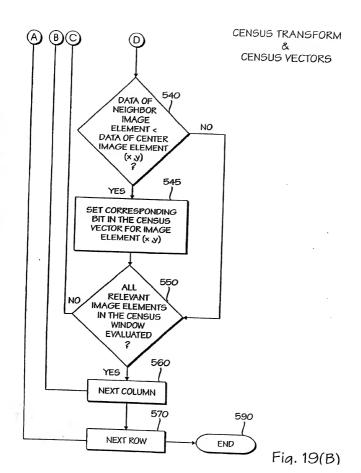


Fig. 16G









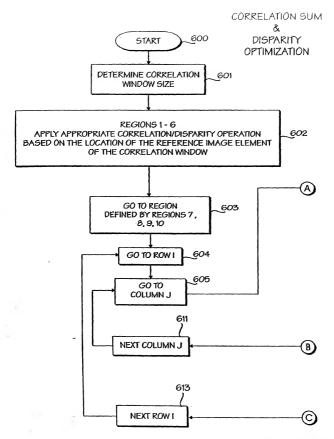
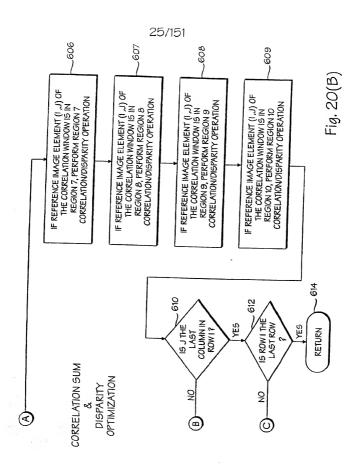
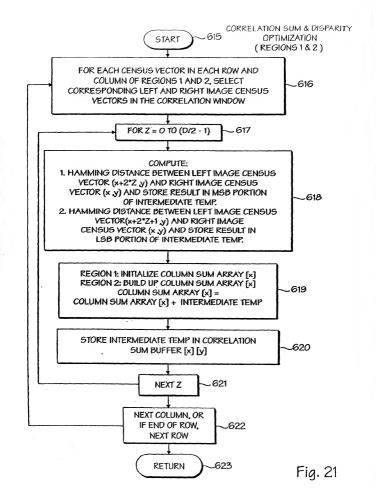
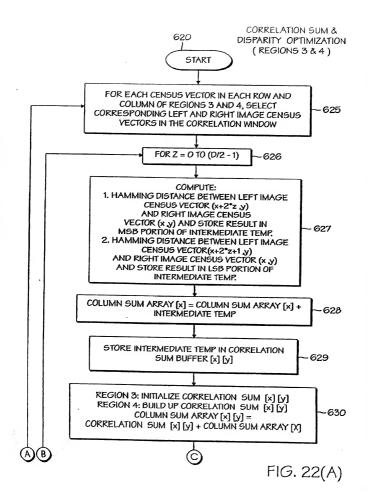


Fig. 20(A)







CORRELATION SUM & DISPARITY OPTIMIZATION (REGIONS 3 & 4)

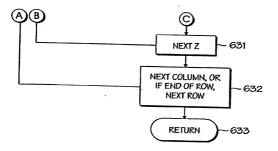
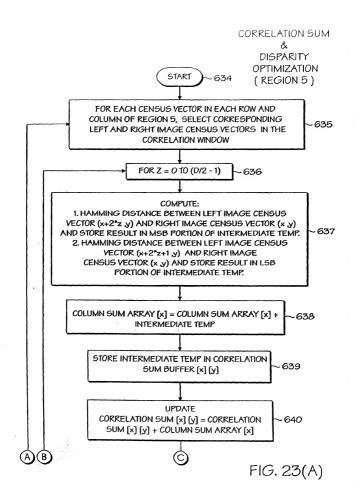
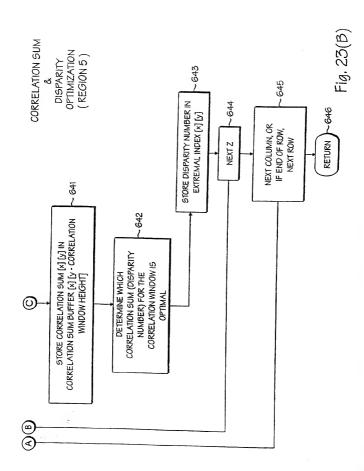
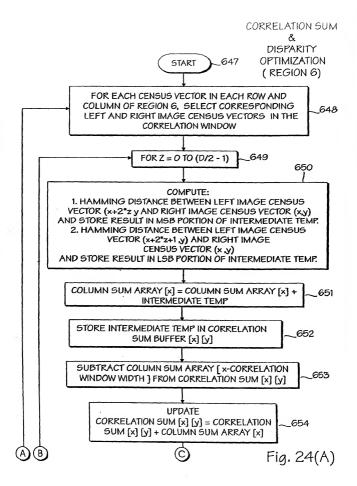
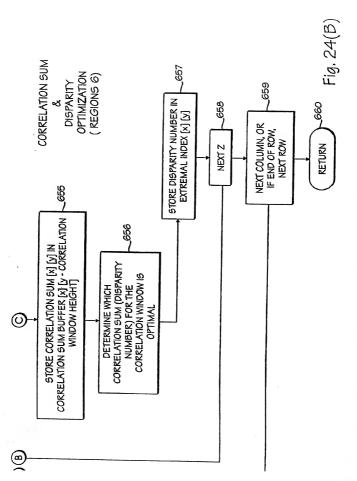


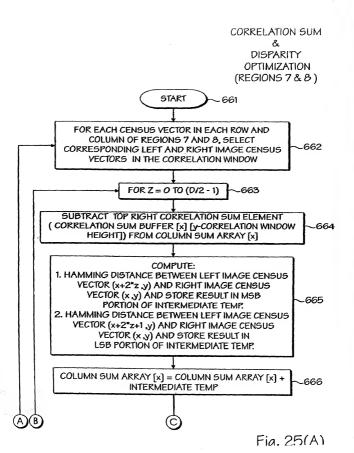
FIG. 22(B)



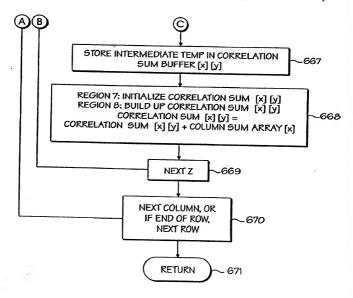




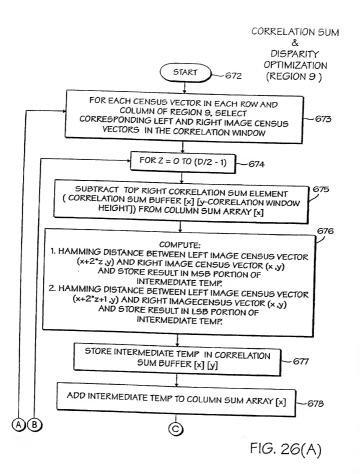


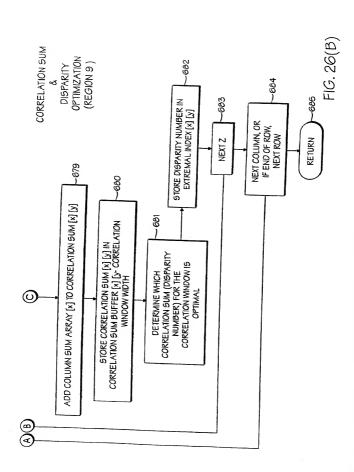


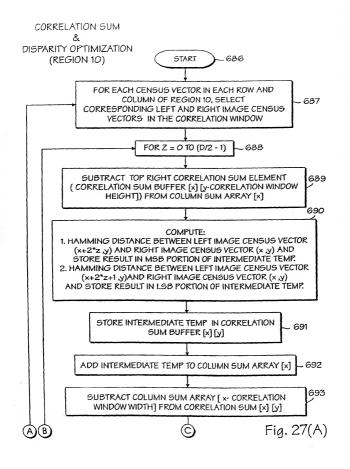
CORRELATION SUM & DISPARITY OPTIMIZATION (REGIONS 7 & 8)

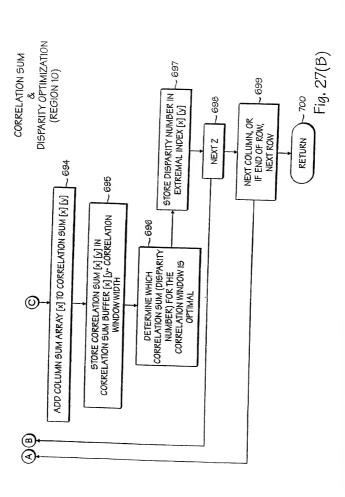


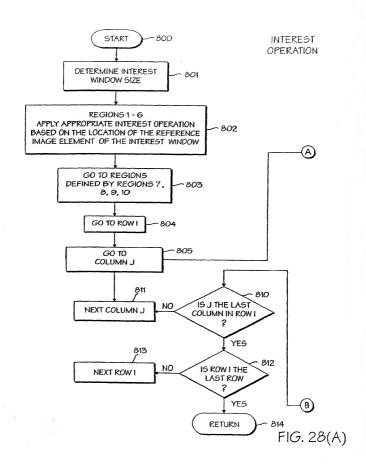
Fin 25/B1



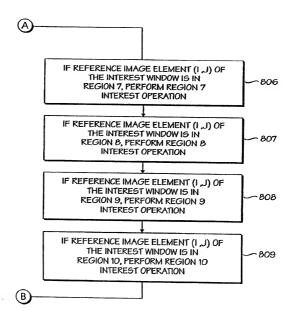








INTEREST



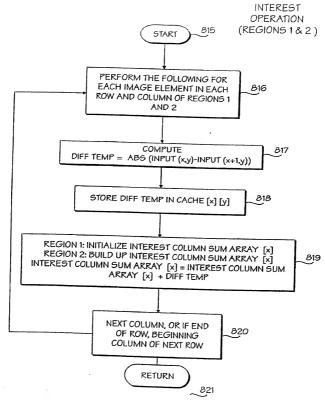
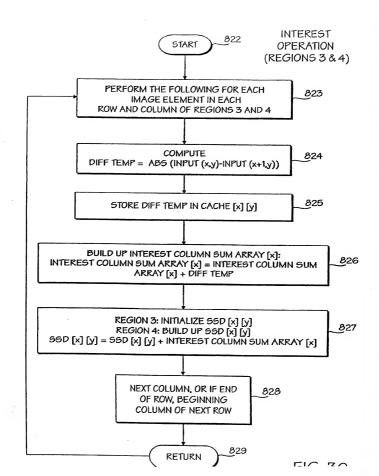
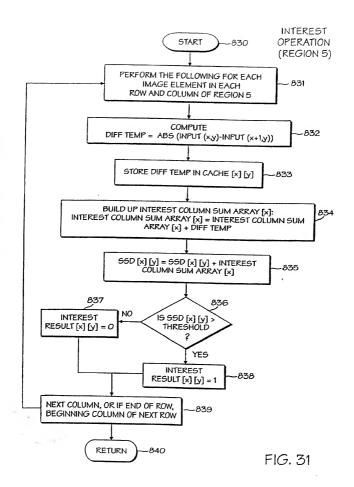
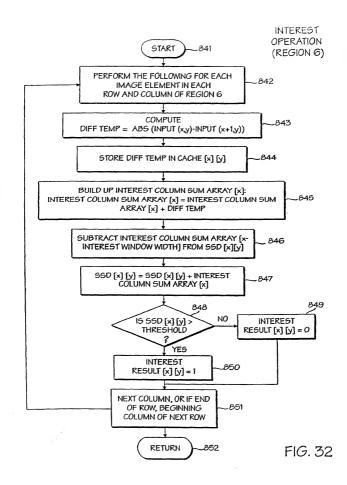
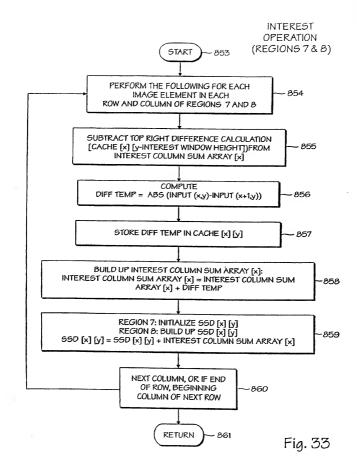


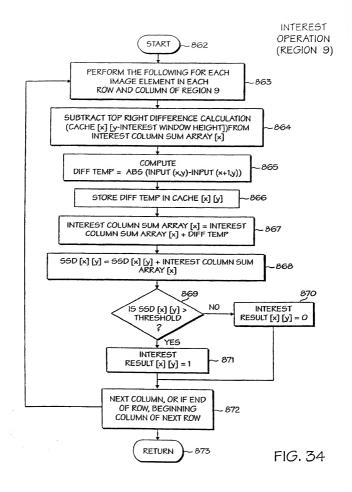
FIG. 29











INTEREST OPERATION (REGION 10)

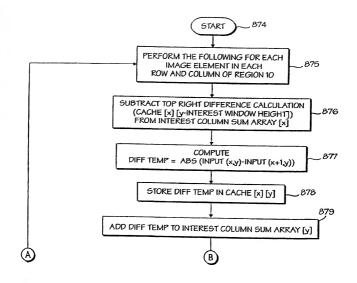


Fig. 35(A)

INTEREST OPERATION (REGION 10)

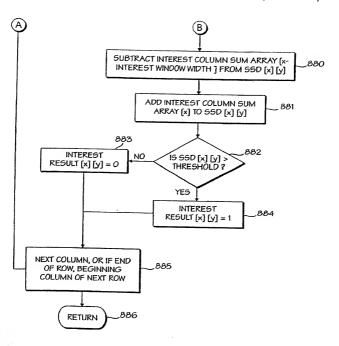


Fig. 35(B)

DATA PACKING INTERMEDIATE TEMP 1 COMPARISON OF LEFT 701 (x+2*zy) WITH RIGHT (x,y) INTERMEDIATE TEMP 2 COMPARISON OF LEFT 702 (x+2*z,y) WITH RIGHT (x,y) INTERMEDIATE TEMP 1 COMPARISON OF LEFT 703 (x+2*z+1,y) WITH RIGHT (x,y) INTERMEDIATE TEMP 2 COMPARISON OF LEFT 704 x+2*zy) WITH RIGHT (xy) 707 INTERMEDIATE TEMP 1 COMPARISON OF LEFT 705 (x+2*z+1,y) WITH RIGHT (x,y) **INTERMEDIATE TEMP 1** COMPARISON OF LEFT COMPARISON OF LEFT 706 (x+2*zy) WITH RIGHT (x,y) (x+2*z+1,y) WITH RIGHT (x,y)

LEFT - RIGHT CONSISTENCY CHECK

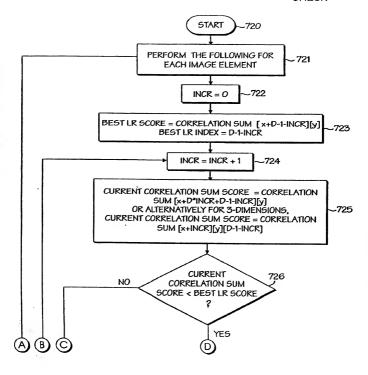
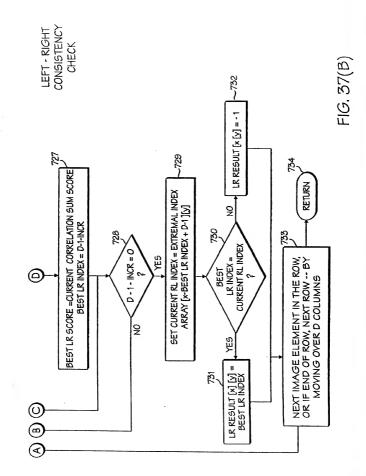
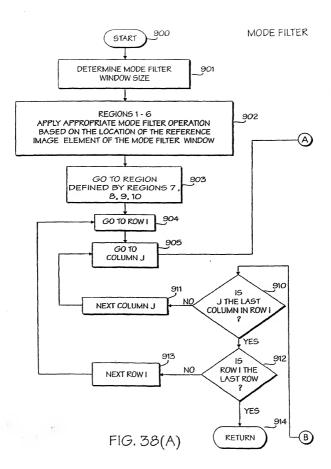


FIG. 37(A)





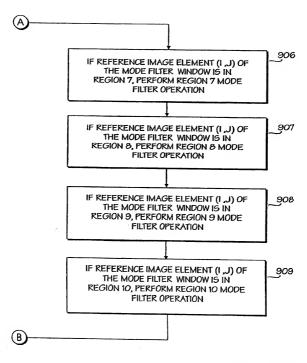
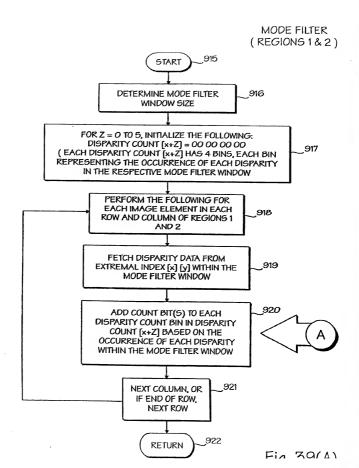


FIG. 38(B)

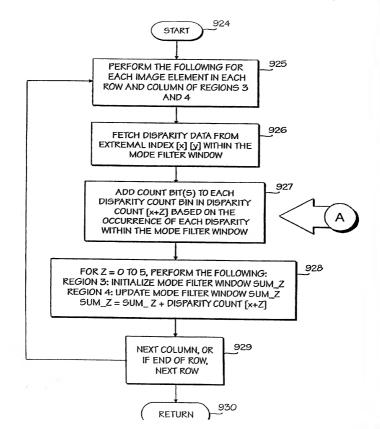


MODE FILTER (REGIONS 1 & 2)

			923
	DISP	DISPARITY COUNT $[x+Z]$	_925
	0	[x] [00] 00 00 00	
	1	[x] 00 00 00 00	
	2	[X] 00 00 00 00	1
	3	[x] 00 00 00 00	1
	4	[x+1] 00 00 00 00	1
	5	[x+1] 00 00 00 00	1
	6	[x+1] 00 00 <u>00</u> 00	· ·
	7	[x+1] 00 00 00 00	1
	8	[x+2] 00 00 00 00	1
	9	[×+2] 00 00 00 00	
(A)	10	[x+2] 00 00 00 00	
	11	[x+2] 00 00 00 00	1
•	12	[x+3] <u>[00]</u> 00 00 00	Ì
	13	[x+3] 00 00 00 00	1
	14	[x+3] 00 00 00 00	
	15	[x+3] 00 00 00 00	1
	16	[x+4] 00 00 00 00	
	17	[x+4] 00 00 00 00	ì
	18	[x+4] 00 00 00 00	
	19	[x+4] 00 00 00 00	1
	20	[x+5] <u>[00]</u> 00 00 00	
	21	[x+5] 00 00 00 00	1
	22	[x+5] 00 00 00 00	
	23	[x+5] 00 00 00 00	
¥			

Fin 30/R)

MODE FILTER (REGIONS 3 & 4)



MODE FILTER (REGIONS 3 & 4)

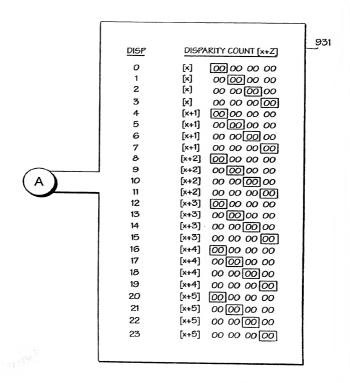


FIG 40(B)

MODE FILTER (REGION 5)

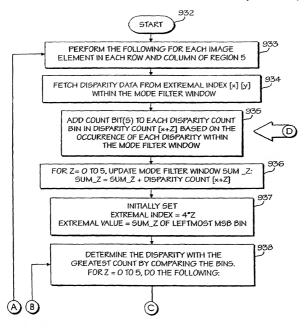
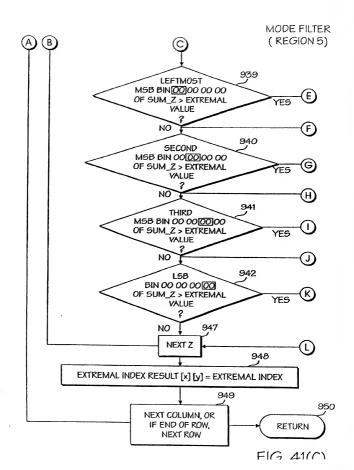


FIG. 41(A)

MODE FILTER (REGION 5)

	DISP	DISPARITY COUNT [x+Z]	
	0	[x] <u>[00] 00</u> 00 00	951
	1	[x] 00 <u>00</u> 00 00	
	2	[x] 00 00 <u>[00</u>]00	
	3	[x] 00 00 00 00	
	4	[x+1] [00] 00 00 00	1
	5	[x+1] 00 <u>00</u> 00 00	1
	6	[x+1] 00 00 <u>00</u> 00	
	7	[x+1] 00 00 00 00	
\bigcirc	В	[x+2] 00 00 00 00	1
<u> </u>	9	(x+2) 00 00 00 00	i
	10	[x+2] 00 00 00 00	1
	11	[x+2] 00 00 00 00	1
	12	[x+3] [00] 00 00 00	1
	13	[x+3] 00 00 00 00	1
	14	[x+3] 00 00 00 00	1
	15	[x+3] 00 00 00 00	1
	16	[x+4] [00] 00 00 00	
	17	[×+4] 00 00 00 00	
	18	[×+4] 00 00 00 00	1
	19	[×+4] 00 00 00 00	
	20	[x+5] [00] 00 00 00	1
	21	[x+5] 00 00 00 00	
	22	-	1
		[x+5] 00 00 00 00	1
	23	[x+5] 00 00 00 00	1

FIG. 41(B)



MODE FILTER (REGION 5)

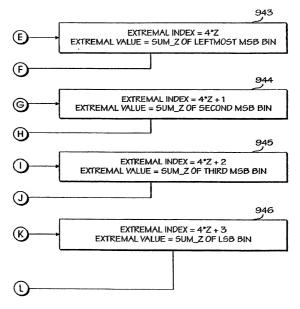


FIG. 41(D)

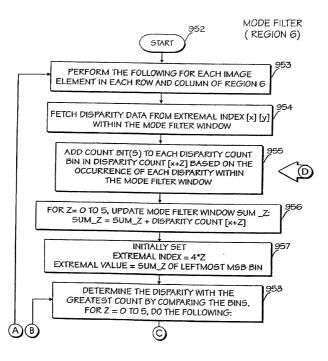
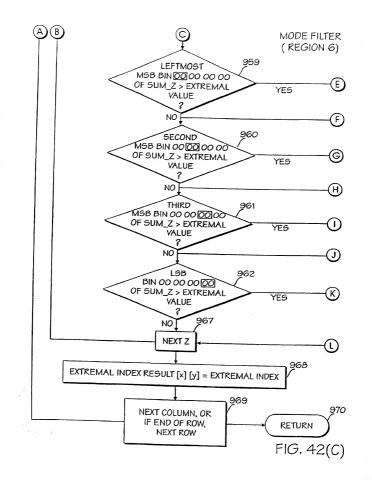


FIG. 42(A)

DISP	DISPARITY COUNT [x+Z]
0	[x] 00 00 00 00
1	[X] 00 [00] 00 00
2	× 00 00 00 00
3	[x] 00 00 00[00]
4	[x+1] 00 00 00 00
5	[x+1] 00 00 00 00
6	[x+1] 00 00 00 00
7	[x+1] 00 00 00 00
8	[x+2] 00 00 00 00
9	[x+2] 00 00 00 00
10	[x+2] 00 00 00 00
11	[x+2] 00 00 00 00
12	[x+3] 00 00 00 00
13	[x+3] 00 00 00 00
14	[x+3] 00 00 00 00
15	[x+3] 00 00 00 00
16	[x+4] 00 00 00 00
17	[×+4] 00 00 00 00
18	[x+4] 00 00 00 00
19	[×+4] 00 00 00 00
20	[x+5] 00 00 00 00
21	[x+5] 00 00 00 00
22	[x+5] 00 00 00 00
23	[x+5] 00 00 00 00



MODE FILTER (REGION 6)

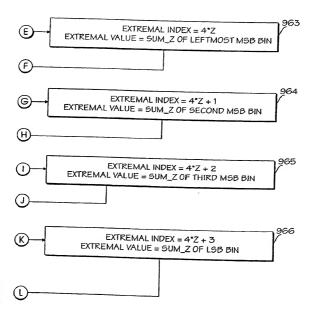
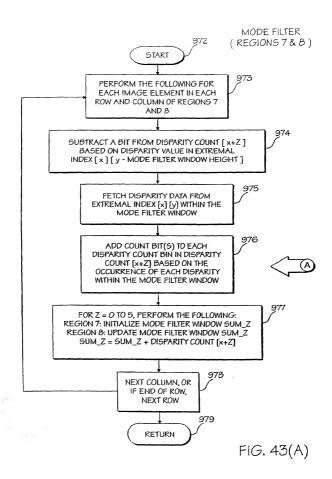


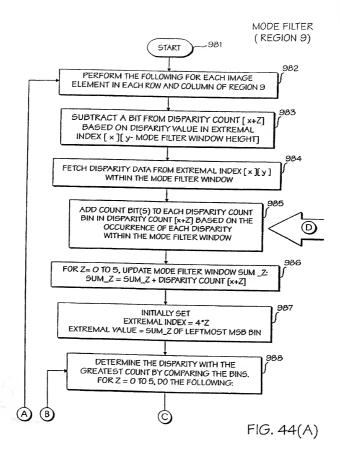
FIG. 42(D)



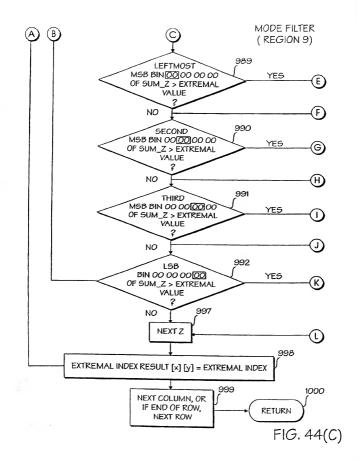
MODE FILTER (REGIONS 7 & 8)

980

FIG. 43(B)



0



MODE FILTER (REGION 9)

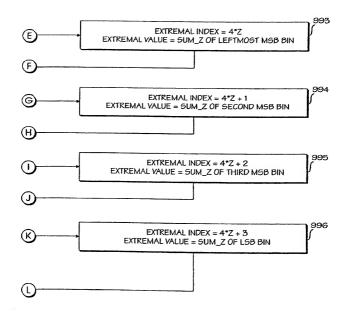
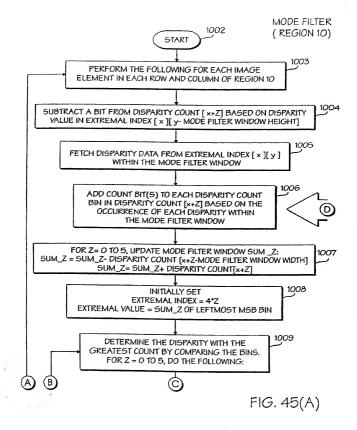


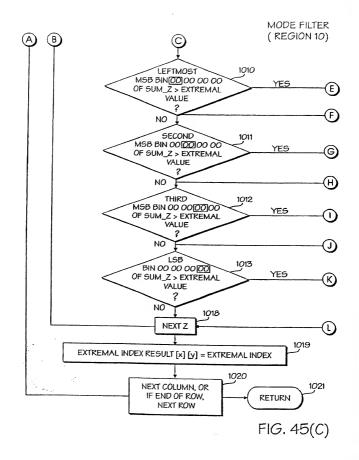
FIG. 44(D)



MODE FILTER (REGION 10)

	DISP	DISPARITY COUNT [x+Z]	1022
<u>o</u>	DIST	DISTANTI COUNT [x+2]	
	0	[x] 00 00 00 00	l
	1	[X] 00 00 00 00	
	2	[×] 00 00 00 00	
	3	[×] 00 00 00 00	
	4	[x+1] 00 00 00 00	
	5	[x+1] 00 00 00 00	
	6	[x+1] 00 00 00 00	
	7	[x+1] 00 00 00 00	
	8	[x+2] 00 00 00 00	
	9	[x+2] 00 00 00 00	
	10	[x+2] 00 00 00 00	
	11	[x+2] 00 00 00 00	l
	12	[x+3] [00] 00 00 00	
	13	[×+3] 00 00 00 00	
	14	[×+3] 00 00 00 00	
	15	[x+3] 00 00 00 00	
	16	[×+4] 00 00 00 00	
	17	[x+4] 00 00 00 00	
	18	[x+4] 00 00 00 00	
	19	[×+4] 00 00 00 00	
	20	[x+5] 00 00 00 00	
	21	[x+5] 00 00 00 00	
	22	[x+5] 00 00 00 00	
	23	[x+5] 00 00 00 00	
Ų			

FIG. 45(B)



MODE FILTER (REGION 10)

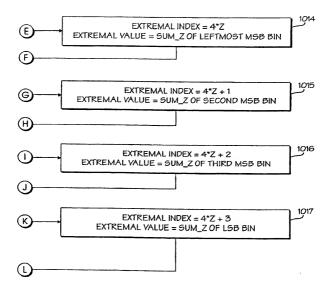
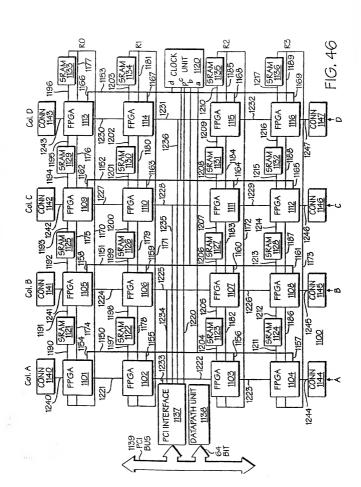
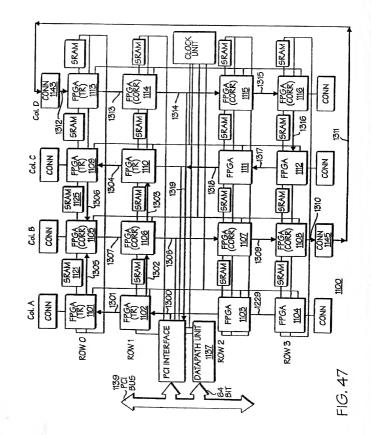
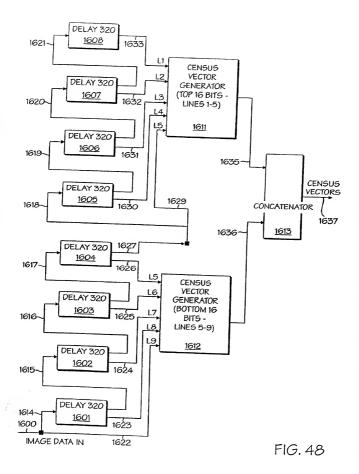
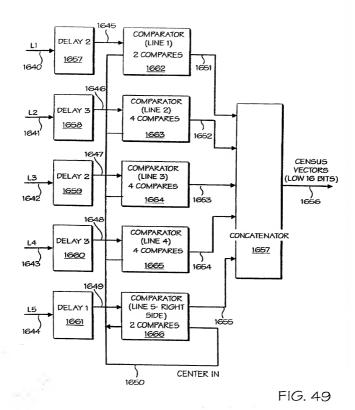


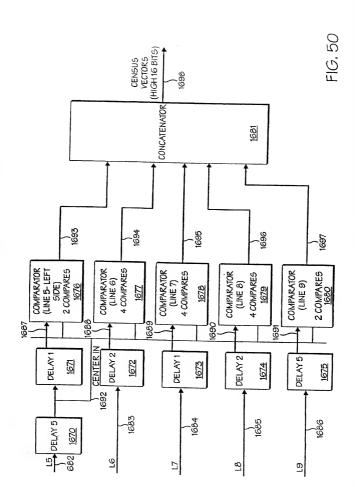
FIG. 45(D)











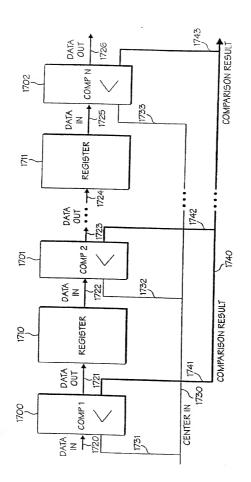


FIG. 51

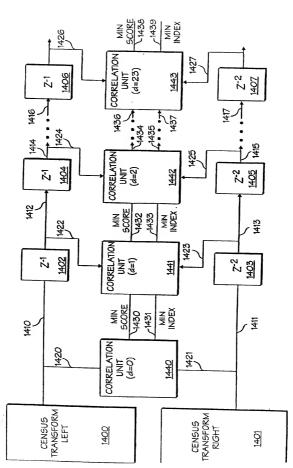
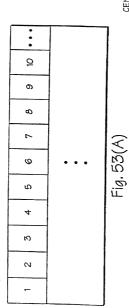
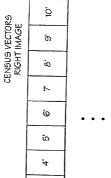


Fig. 52







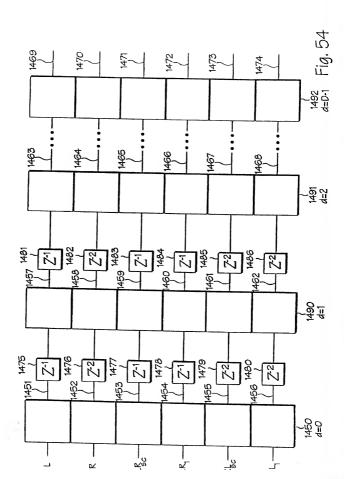
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Fig. 53(B)



15 IMAGE ELEMENTS (1 TO 15 FOR L; 1' TO 15' FOR R) D=5 (4= {0, 1, 2, 3, 4})

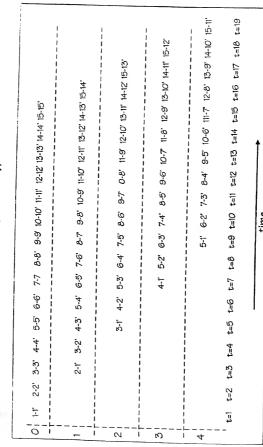
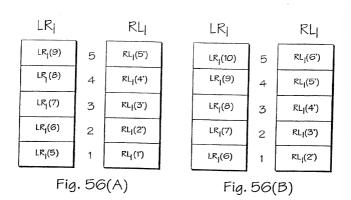
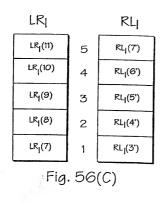


FIG. 55





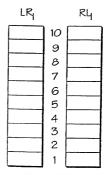
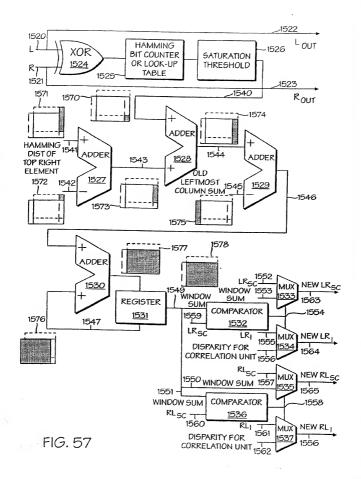


Fig. 56(D)



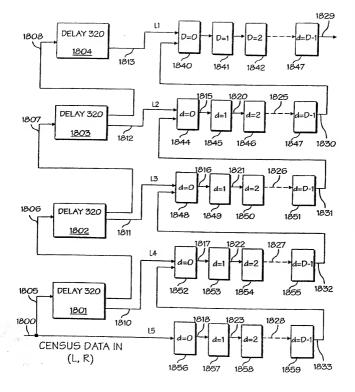


FIG. 58

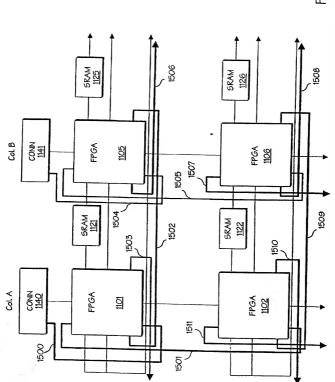
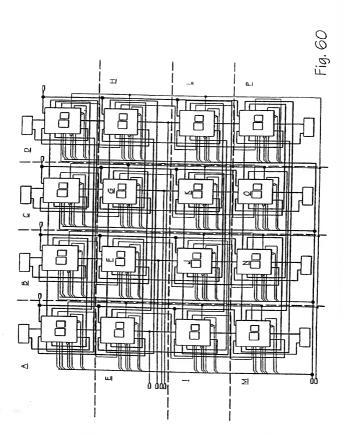
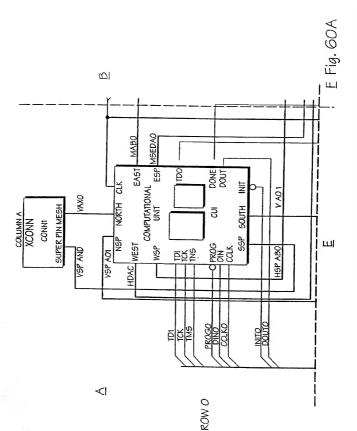
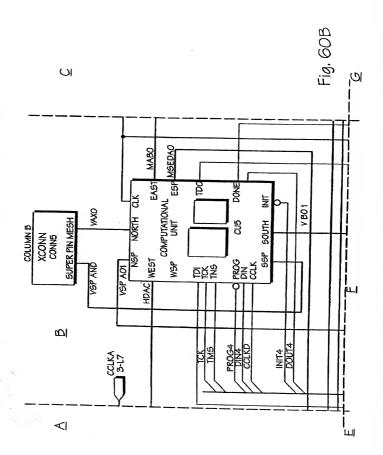
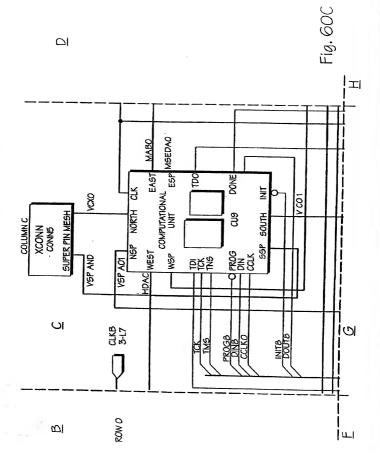


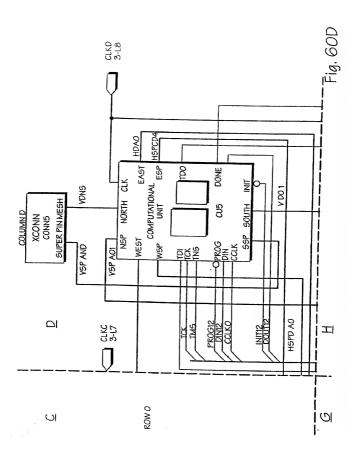
FIG. 59

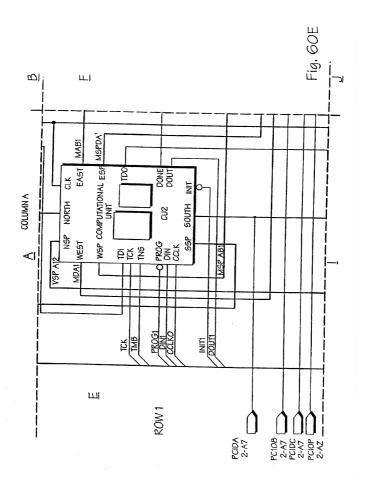


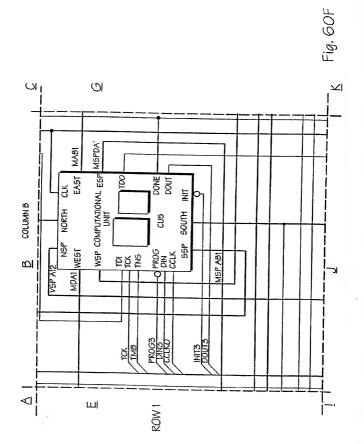


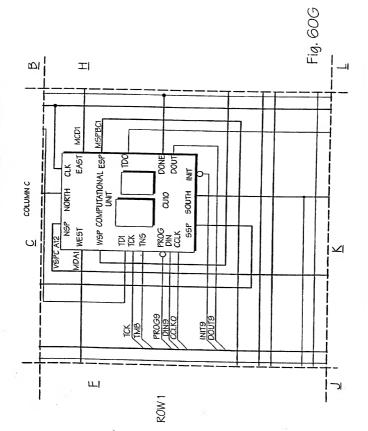


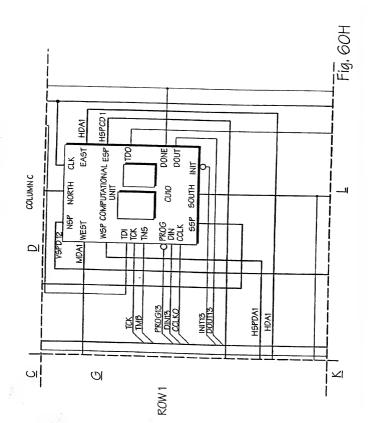


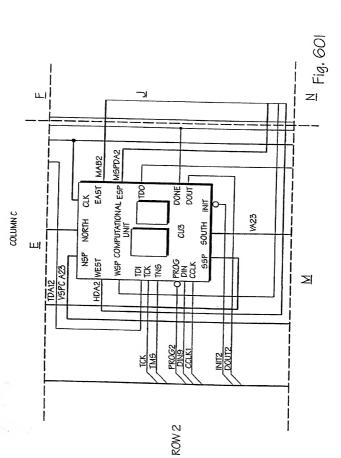


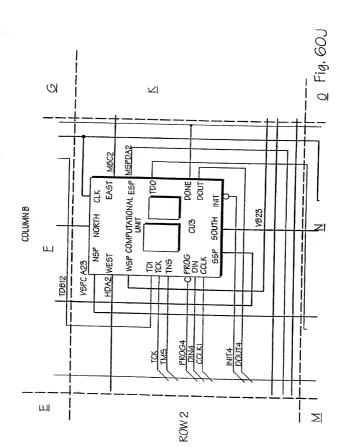


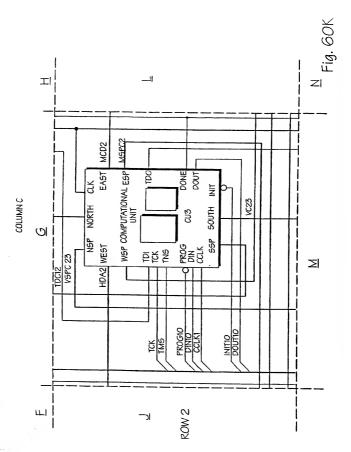


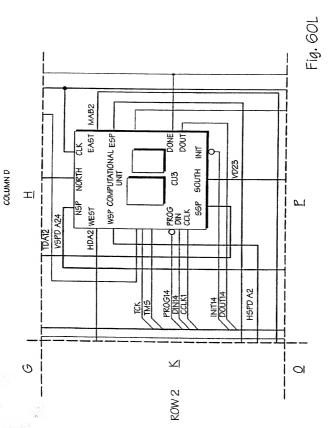












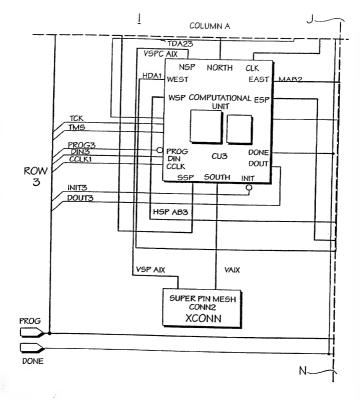


Fig. 60M

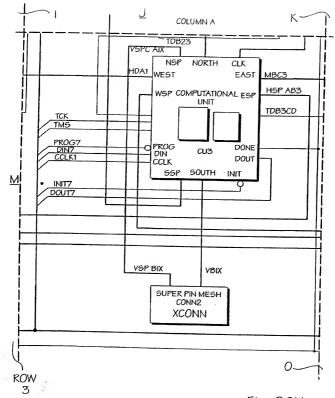
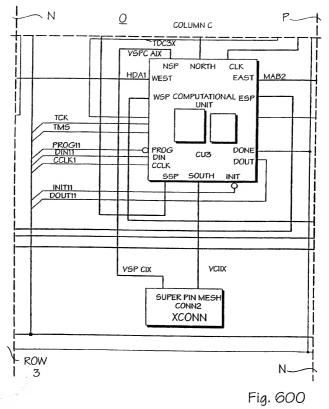


Fig. 60N



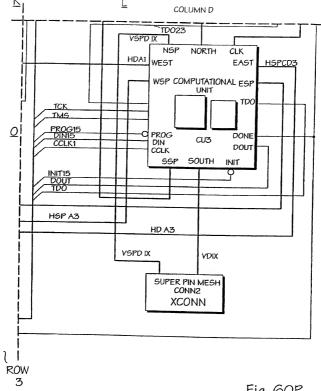
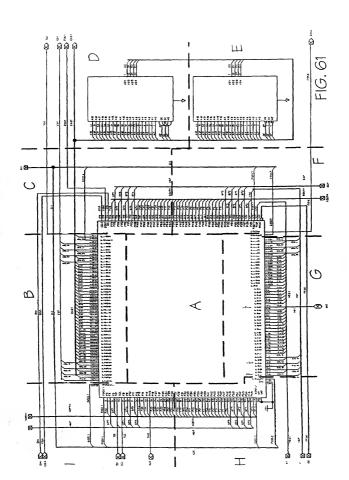
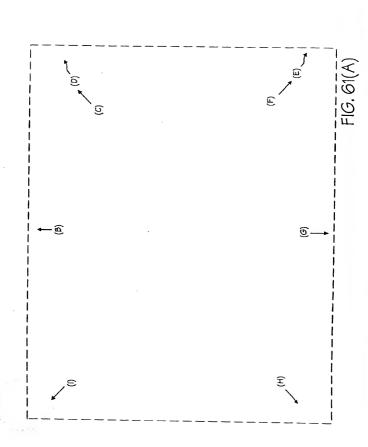


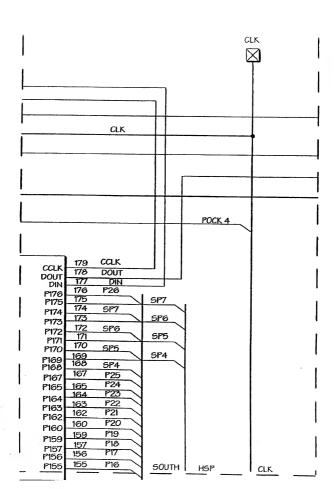
Fig. 60P





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FIG. 61(B)



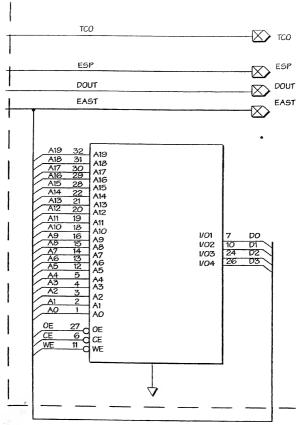
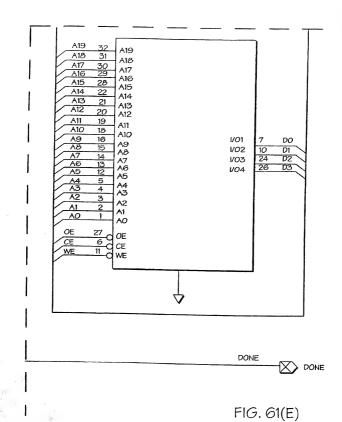
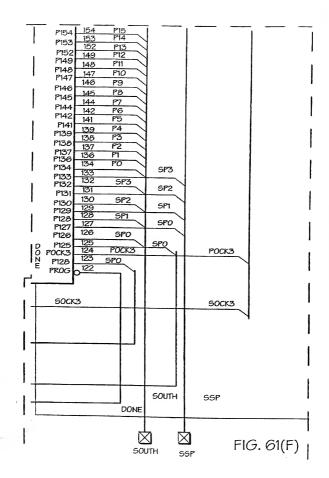
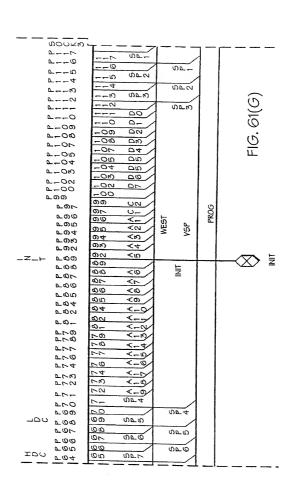
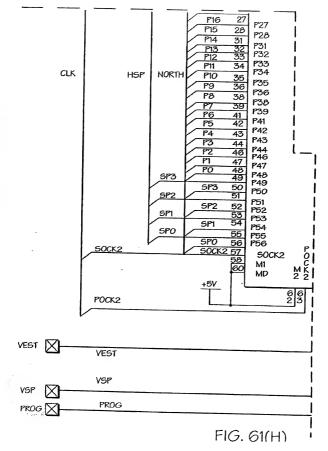


FIG. 61(D)

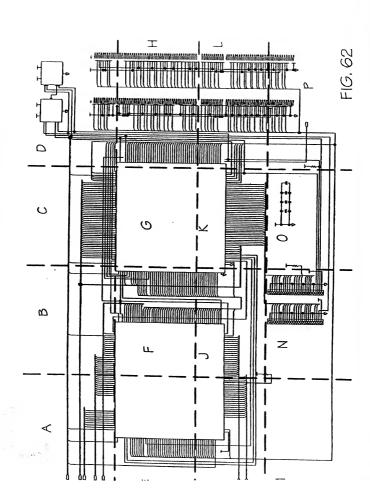


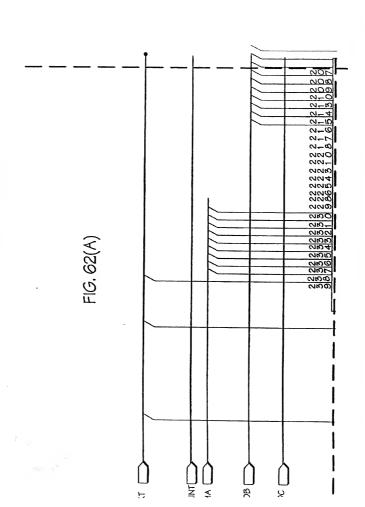


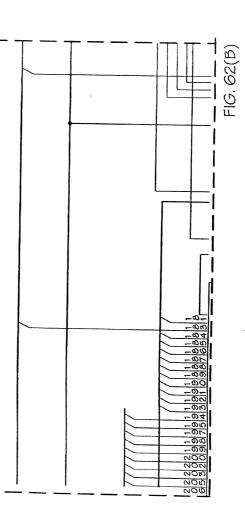


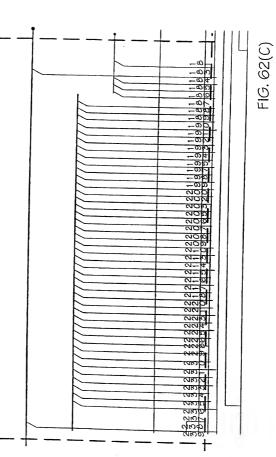


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тмэ 🔀	TMS		P24 16 17 P23 19 P22 20 P21 21 P20 23 P19 24	P16 TMS P19 P20 P21 P23
			P18 25 P17 26	P24 P25 P26



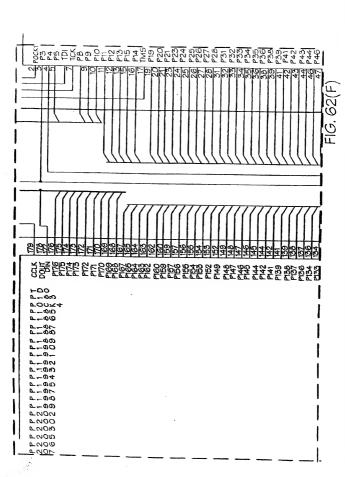






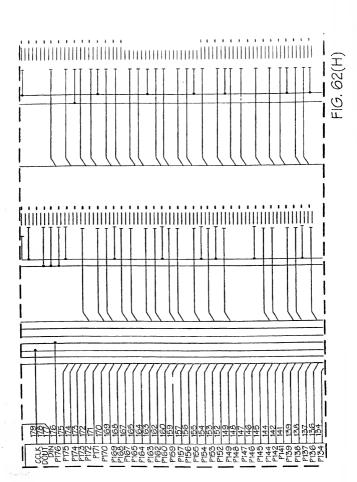
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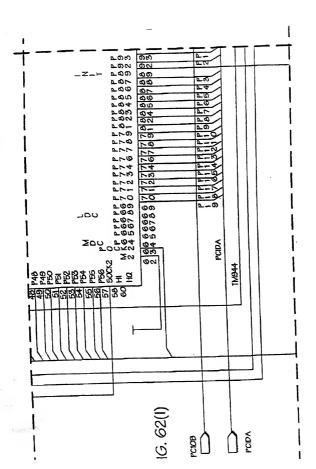
	FIG. 62(E)
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FIG. 62(G)





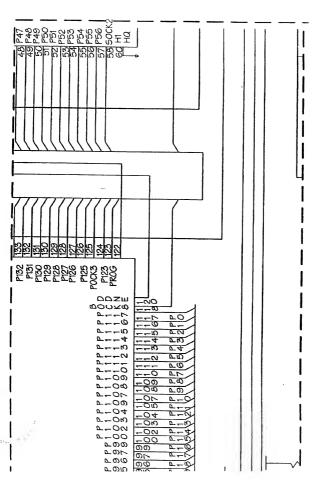
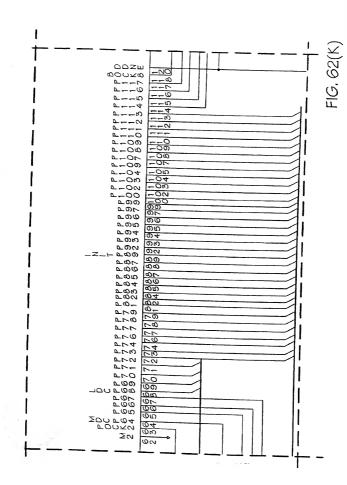


FIG. 62(J)



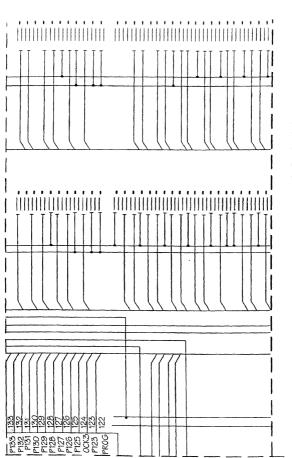
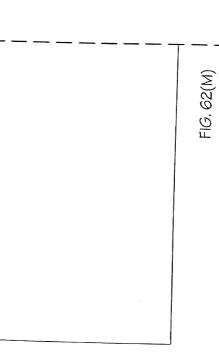


FIG. 62(L)



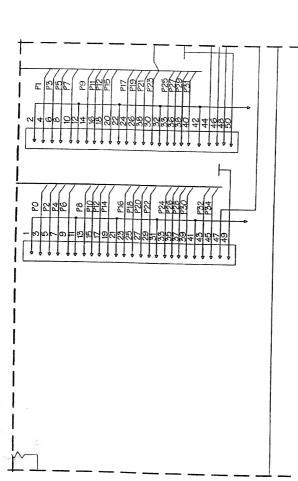
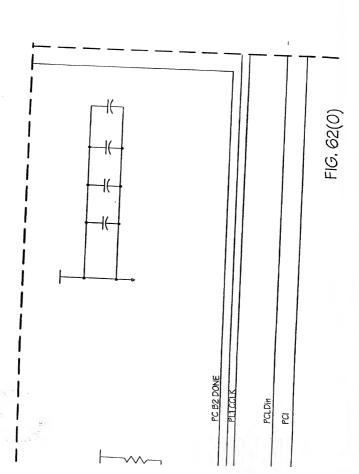
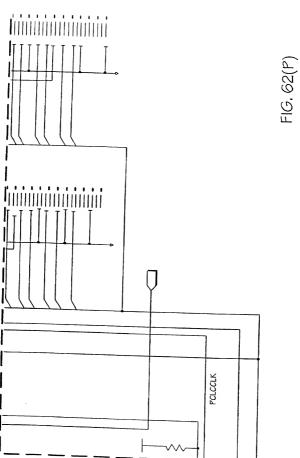
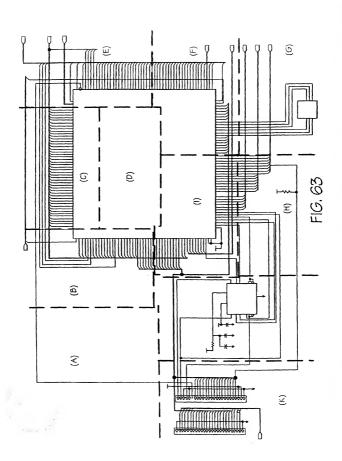
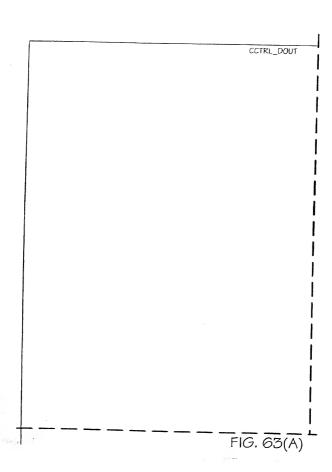


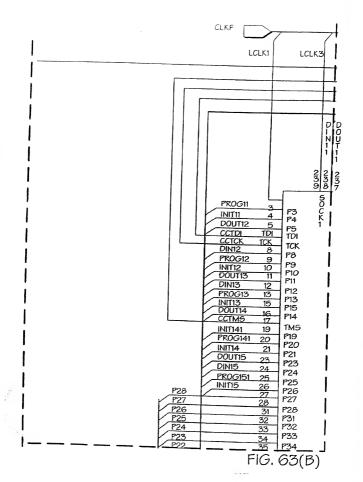
FIG. 62(N)











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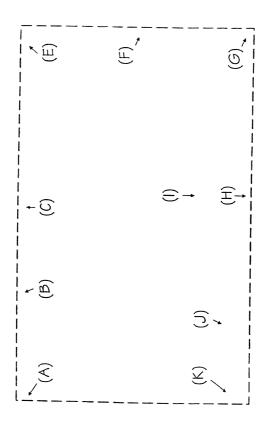
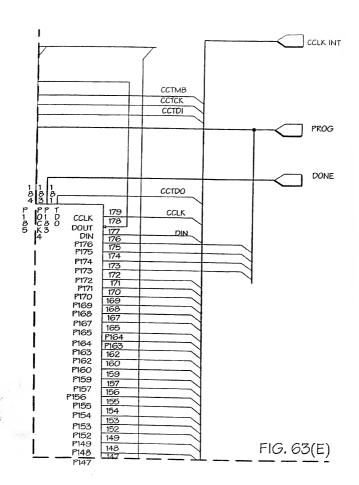
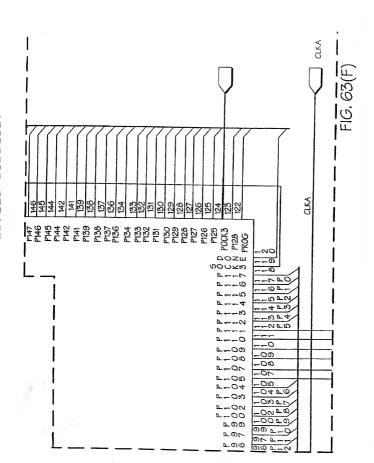
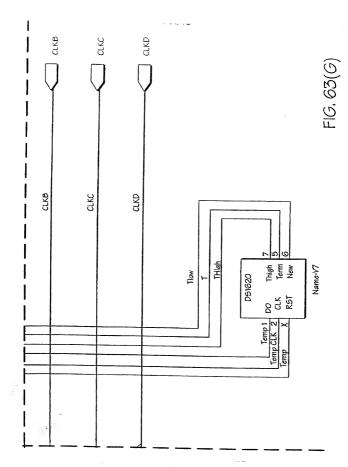


FIG. 63(D)







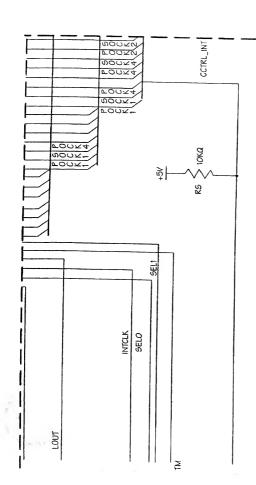
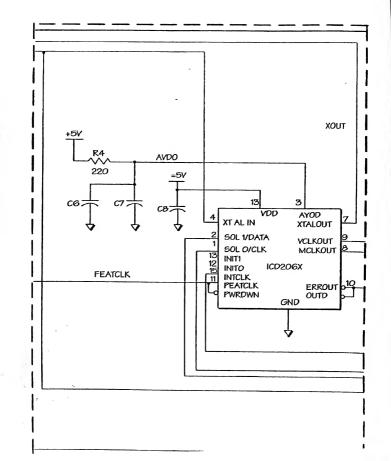
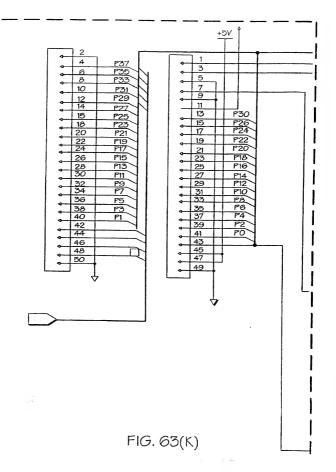


FIG. 63(H)

		7 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	1-4		FIG. 63(1)
P36 P36 P38 P38	74: 74: 74: 74: 74: 74: 75: 75: 75: 75: 75: 75: 75: 75: 75: 75	P55 H L L D D D D D D D D D D D D D D D D D	02 08 04 00 00 00 00 00 00 00 00 00		
9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		200		VCLK MCLK	





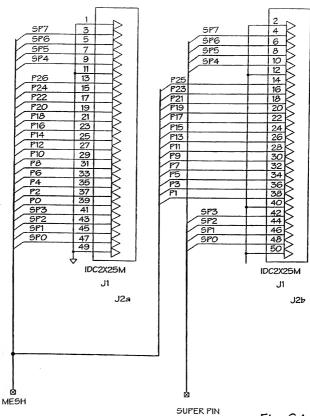
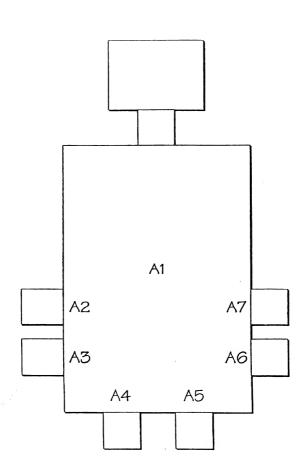


Fig. 64



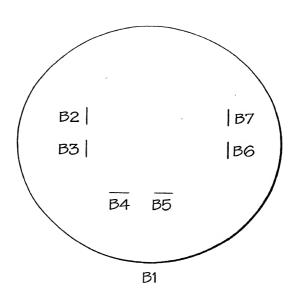


FIG. 66

